

Outflow to Oregon

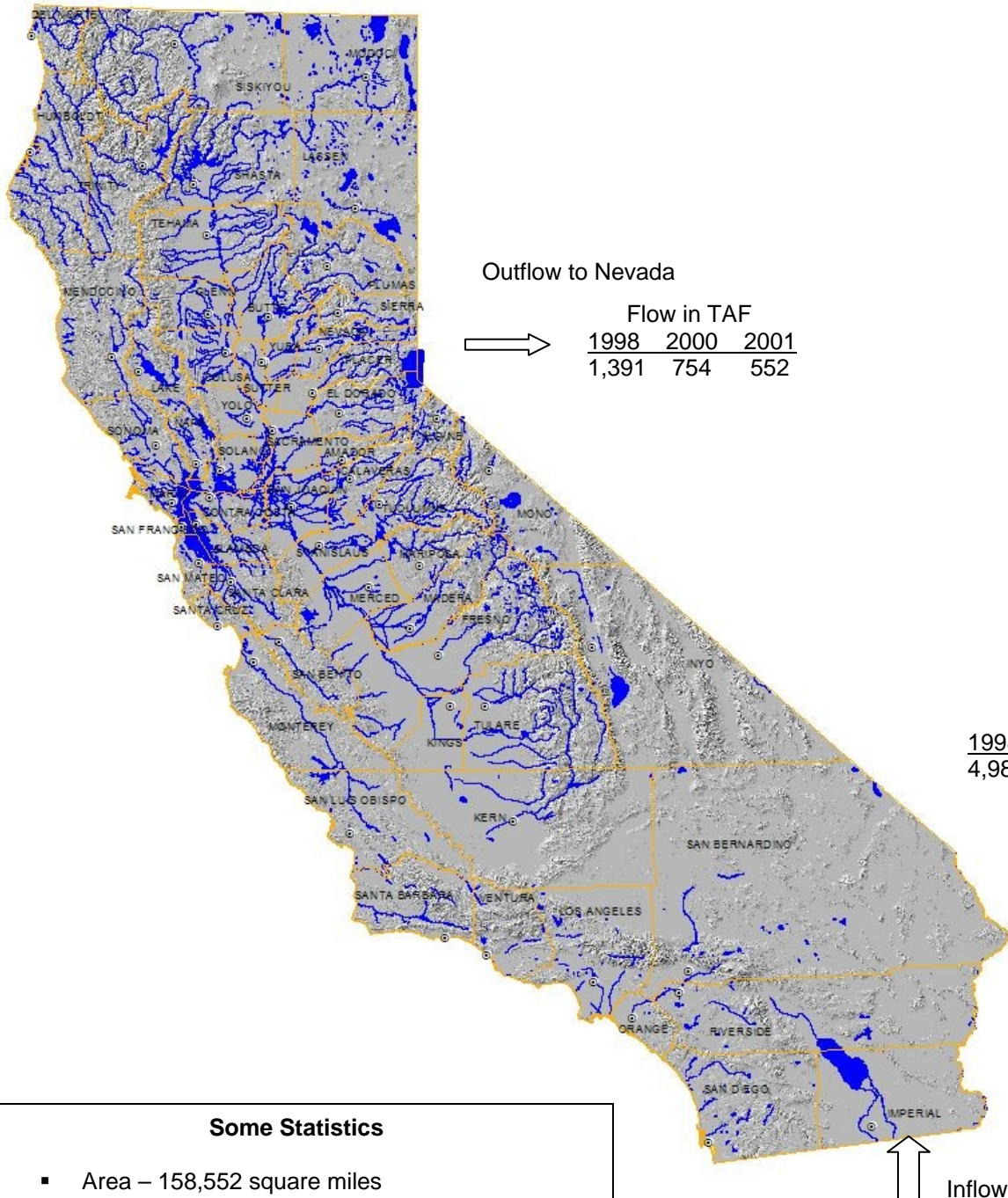
Flow in TAF		
1998	2000	2001
184	114	66

STATE OF CALIFORNIA

Revised November 8, 2005

Inflow from Oregon

Flow in TAF		
1998	2000	2001
2,105	1,498	998



Flow in TAF		
1998	2000	2001
1,391	754	552

Flow in TAF		
1998	2000	2001
4,986	5,349	5,197

Flow in TAF		
1998	2000	2001
182	166	155

Some Statistics

- Area – 158,552 square miles
- Average annual precipitation – 22.9 inches
Regional precipitation range – 5.7 to 50.6 inches
- Year 2000 population – 34,088,135
- 2030 projected population – 48,110,700
- Total reservoir storage capacity – 40,741 TAF
- 2000 irrigated crop area - 9,511,850 acres

**STATE OF CALIFORNIA
STATEWIDE WATER BALANCE SUMMARY - MAF**

Water Entering the State – Water Leaving the State = Storage Changes in State

	Water Year (Percent of Normal Precipitation)		
	1998 (171%)	2000 (97%)	2001 (72%)
Water Entering the State			
Precipitation	329.6	187.7	139.2
Inflow from Oregon/Mexico	2.3	1.7	1.1
Inflow from Colorado River	5.0	5.3	5.2
Imports from Other Regions	N/A	N/A	N/A
Total	336.9	194.7	145.5
Water Leaving the State			
Consumptive Use of Applied Water * (Ag, M&I, Wetlands)	22.5	27.9	27.8
Outflow to Oregon/Nevada/Mexico	1.6	0.9	0.7
Exports to Other Regions	N/A	N/A	N/A
Statutory Required Outflow to Salt Sink	43.8	28.0	13.9
Additional Outflow to Salt Sink	73.0	37.1	17.7
Evaporation, Evapotranspiration of Native Vegetation, Groundwater Subsurface Outflows, Natural and Incidental Runoff, Ag Effective Precipitation & Other Outflows	190.5	106.5	99.7
Total	331.4	200.4	159.8
Storage Changes in State			
[+] Water added to storage			
[-] Water removed from storage			
Change in Surface Reservoir Storage	7.2	-1.3	-4.6
Change in Groundwater Storage **	-1.7	-4.4	-9.7
Total	5.5	-5.7	-14.3

Applied Water * (compare with Consumptive Use)	33.9	41.8	41.2
* Definition - Consumptive use is the amount of applied water used and no longer available as a source of supply. Applied water is greater than consumptive use because it includes consumptive use, reuse, and outflows.			

****Footnote for change in Groundwater Storage**

Change in Groundwater Storage is based upon best available information. Basins in the north part of the State (North Coast, San Francisco, Sacramento River and North Lahontan Regions and parts of Central Coast and San Joaquin River Regions) have been modeled – spring 1997 to spring 1998 for the 1998 water year and spring 1999 to spring 2000 for the 2000 water year. All other regions and year 2001 were calculated using the following equation:

$$\text{GW change in storage} = \text{intentional recharge} + \text{deep percolation of applied water} + \text{conveyance deep percolation} - \text{withdrawals}$$

This equation does not include the unknown factors such as natural recharge and subsurface inflow and outflow.